

Tempe Fire Department Policies and Procedures Fixed Site Air Compressors

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Purpose

To establish maintenance and filling procedures for fixed site air compressors

Policy

FILLING PROCEDURE FOR FIXED SITE COMPRESSORS

1. Attach air cylinders to fill station, close bleeder valves, open cylinder and fill station valves slowly.
2. Open #1 discharge valve slowly on control panel; let pressure equalize between air supply and SCBA bottles. Look at regulator pressure, if you are not at 4300-4500 psi, close valve #1 and open valve #2; close valve #2 and open valve #3; close valve #3, etc. until you have 4300-4500 psi on regulator pressure gauge.
3. Close the last discharge valve that you opened. Close fill station and bottle valves. Bleed off air through bleeder valves and remove cylinders from fill station.
4. Put #1 valve back in the open position.

CAUTION: Open and close all valves SLOWLY. All valves are 1/4 turn valves. Do not torque down on valve. Do not adjust pre-set regulator, severe damage will result. If any leaks are detected in breathing air system, notify SCBA Repair or Fire Maintenance.

Maintenance Inspections (performed by Support Services)

Daily Check

1. Check oil level and the function of oil pump, by observing the oil pressure.

Weekly

1. Check the automatic condensate valves drainage by opening the manual drain valve.

Monthly

1. Test Audible Alarm

Every 250 Hours

1. Clean or replace the intake filter element.
2. Clean all outside surfaces of the compressor to remove traces of oil and dirt.
3. Check oil pump drive v belt for wear and belt tension.

Every 500 Hours

1. Clean or replace the intake filter element.
2. Clean all outside surfaces of the compressor to remove traces of oil and dirt.
3. Check oil pump drive v belt for wear and belt tension.

Every 750-800 Hours

1. Inspect and clean valves replace if necessary.

Every 1000 Hours or Annually

1. Service the inter filter elements and final separator elements.
2. Change oil and all air purification filters.